

1ST AND 2ND ORDERS		PRECEDENCE AND PRECIPITATION INDEX		3RD AND 4TH ORDERS	
<i>ca</i> Substituting rubber cements with aqueous latex dispersions in the preparation of artificial leather. P. Pavlovich, V. Sudakov and Z. Shebekin. <i>Koskovenn. (Zhurnal) Prom.</i> 10, 404-6 (1935).—A mixt. composed of "smoked sheets" (rubber) 100, gawdine 20, oleic acid 8, 25% NH₄OH soln. 20, casein 20, S.S., ZnO 10, "kaptax" 2, thiuram 1 part and water in accordance with requirements, produced stable emulsions when dild. with up to 50 vol. of H₂O. A leather substitute of good phys. and mech. properties was obtained from rubber 100, rosin 10, oleic acid 5, wheat flour 15, glue 5, kaolin 10 and S.S. parts. More formulas are given and the properties of the products obtained are described. A. A. Bochtlinck <i>13</i>					
ADD-51.4 METALLURGICAL LITERATURE CLASSIFICATION					
RECORD NO. 101					
RECORD NO. 101					

Ca 13

RESEARCH AND DEVELOPMENT

IMPREGNATING CARDBOARD COUNTERS. P. Pavlovich and N. Tzivil'nikov. *Koshovno-Obratnoye Prom. S. S. S. R. 12, 372-6(1933); 13, 142-4(1934).*—The cardboard was impregnated with (1) melted bitumens and bitumens dissolved in solvent naphtha from petroleum; (2) various combinations of paraffin, resin, bitumen, Al naphthenate, etc.; (3) aq. solns. of (a) alkali petroleum sludge treated with Ba, Zn, Al and Pb salts and, for the purpose of comparison, with gasoline solns. of the corresponding naphthenates; (b) glue from the flesh side of the hide; (4) liquid semianhydrous products of the phenol-formaldehyde condensation; (5) mercerizing products of starch, with subsequent formation of insol. Ba compds. The investigation covered the following tests, described in detail: method of impregnation, mechanical tests, soaking ability and formulas. The results are analyzed A. A. Borzhing

ASH-BLA METALLURGICAL LITERATURE CLASSIFICATION

STON 1741111111

123456789101112131415161718192021222324252627282930313233343536373839404142434445464748495051525354555657585960616263646566676869707172737475767778798081828384858687888990919293949596979899100

30

Rubber substitutes: Semi-liquid polymers of olefin polyvinyls. P. Pavlovich and M. Tartakovsky. *Rubber Ind.* (U. S. S. R.) 11, 12-5 (1936). A discussion of the properties, prepn. and use of semi-liquid polymers from chlorinated olefins (with boiling range above 100°), after pyrolysis of naphtha. A. Pestoff

PAVLOVICH, P.

Star of peace. Rabotnitna 36 no. 6:5 Je '58.
(Artificial satellites)

(MIRA 11:8)

7

PROCESSING AND PREPARATION

Removing fat from sheepskins. P. I. PAVLOVICH, N. G. SACHKORDIN, V. I. DUK
LAWG, K. I. ZYANLOV and V. F. DZANIDOV Russ. appl. 68,139, Apr. 11, 1960 Skived
sheepskins are treated with caustic soaps of "Kontakt" (petroleum sulfonic acids) or
its soap.

29

ASB 31.4 METALLURGICAL LITERATURE CLASSIFICATION

[illegible]

Aqueous dispersions of cellulose esters. P. I. Chakravarti, Russ. 41,679, Feb. 28, 1935. Cellulose esters are heated with a resin (such as birch resin) and aq. NH₃. Then a protective colloid, such as a soln. of gelatin, is added.

ASAC-SLA METALLURGICAL LITERATURE CLASSIFICATION
BDDMI STV03100

SUBORDINATE
SUBORDINATE
SUBORDINATE

COLLECTIONS
COLLECTIONS
COLLECTIONS

13

PROCESSING AND PROPERTIES INDEX

Commenting and impregnating fibrous materials with aqueous dispersions of latex. P. I. Pavlovich, Z. Ya. Shebekin and V. I. Sodakov. Russ. 42,021, Mar. 31, 1935. In the prepn. of leather substitutes the fibrous material is first treated in a mixer with a small amt. of a dil. rubber soln. in an org. solvent and then mixed with an eq. emulsion of rubber.

ASB-55A METALLURGICAL LITERATURE CLASSIFICATION

30

Rubber mixtures. P. I. Pavlovich. Russ. 44,672.
Oct. 31, 1935. In the rubber init. is incorporated
propellite preliminarily heated with petroleum bottoms

1ST AND 2ND ORDERS										PRECISE AND PROPERTIES INDEX										3RD AND 4TH ORDERS									
<i>ca</i> Reservoirs impermeable to petroleum products. P. I. Pavlovich, D. Sinyavskii and M. S. Tartakovskii. Russ. 44,829, Oct. 31, 1935. Addn. to Russ. 38,115 (preceding abstr.). The method covered in the basic patent is extended by the use of chlorinated olefins which are treated with hydrosulfides of alkali metals.																													
ASB-51.8 DETAILURSKAL LITERATURE CLASSIFICATION																													
8-2																													

1ST AND 2ND EDITIONS
PROCESSED AND PROPERTIES INDEX

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Ca

Preparation of vinyl plastics from vinyl chloride.
Paylanich, J. Rubber Ind. (U. S. S. R.) 12, 1047
(1935). -A review.
A. Poston

ASD-55A METALLURGICAL LITERATURE CLASSIFICATION

SYNOPSIS AND SUBJECT INDEX																									
CA 30 Synthetic rubber in the manufacture of plastic leather. P. I. Pavlovich and Z. Shebekin. <i>J. Rubber Ind.</i> (U. S. S. R.) 1986, No. 8-9, 863-6. - An aq. emulsion of synthetic rubber in $C_{12}H_{26}$ was prepd., and from it a plastic leather was made by use of the mixt.: synthetic rubber 24% (with emulsion as a base), pine tar 10%, chrome fiber with 25% H_2O 45% (dry wt.), C black 1.5%. The method used in reclaiming scrap and refuse from this plastic leather is described. The following formula is for the use of Sovprene (Neoprene) in leather plastics: Sovprene 600 (one part dissolved in 5 parts of a mixt. of $C_{12}H_{26}$ and dichloroethane), rosin 142, coal tar residue 142, C black 154, ZnO 60, MgO 60, also dry chrome fiber 1000. A. P.																									
ASD-35-A METALLURGICAL LITERATURE CLASSIFICATION																									

PROCESSING AND PROPERTIES INDEX

13

Synthetic rubber in the manufacture of plastic leather.
P. I. Parkovich and Z. Ya. Shchekin, Akademiya
(Sovetskoye Prosv. S. S. S. R. 15, No. 7, 54-7(1950)).

Substitution of natural with 25% of synthetic rubber yields an elastic leather without affecting its physical-chemical properties. Complete substitution of natural rubber is possible if an adiol. polymerization of the synthetic rubber is carried out in a gasoline soln. by increasing the amt. of vulcanizing agents, catalysts and activators of vulcanization for the purpose of increasing the viscosity and the cementing ability of the synthetic rubber soln. An elastic leather prepd. with a water-gasoline emulsion has slightly lower mechanical indexes, although the method appears to be promising. A complete substitution (100%) of natural rubber by "soprene" (synthetic rubber) with gasoline-ethylene dichloride (1:1) mixt. for solvent (5 parts per part of "soprene") produces a leather of satisfactory plasticity. A. A. Podgorny

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TEST AND PROPERTIES INDEX

Polymerization of vinyl chloride in solutions and emulsions. P. I. Pavlovich. J. Applied Chem. (U. S. S. R.) 10:1071-9 (1957). Vinyl chloride was polymerized in Me₂CO, C₂H₅, gasoline, and iso-BuOH solns., and without any solvent at room temp., and at 70-80° for periods of 6 hrs. to 43 days; ampoules or auto-claves were the reaction vessels. The best films were obtained from pure vinyl chloride polymerized without any solvent, but this process is difficult because of the large heat effect. Polymerization in Me₂CO soln. at 20-30° for 23-45 days gave a very stable and hard polymer. Polymerization in various aq. emulsions yielded a white tar. By the Ostromyskenskii method it was shown that polymerization in aq. and Me₂CO yielded mainly α-polymer, in emulsions β-polymer, and in emulsions of "revitax" type the γ-polymer. Eleven references. A. A. P.

ASD-11A METALLURGICAL LITERATURE CLASSIFICATION

SECTION

100000 H19 000 001

SECTION

100000 H19 000 001

15

Yuft substitute from cotton fabrics obtained by impreg-
nation with acidic emulsions. P. I. Pavlovich and S. M.
Brezner. *Kashchenno-Oshchennye* Prom. S. S. S. R. 16.
No. 2, 63-3(1937).—The emulsion is prep. according
to Orlov from paraffin, rosin, lanolin, AcOH, gelatin.
EtOH, Al acetate, turpentine and (or) NH₄OH. Details
of prep. and application are given. A. A. Podgorny

DETAILED LITERATURE CLASSIFICATION

24

13

Plastic masses. P. I. Pavlovich. Russ. 53,851, Sept. 30, 1938. Polyvinyl compds. are treated with 0.5% of a diazoamine compd., polymerized, and pressed in forms.

ASD-51A METALLURGICAL LITERATURE CLASSIFICATION

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Polymerization of vinyl chloride in solutions and emulsions. II. P. I. Pavlovich. *J. Applied Chem. (U. S. S. R.)* 14, 651 (1941); cf. *C. A.* 32, 1333. Fifteen cc. vinyl chloride, 10 g. AcOH , 5 cc. dichloroethane and 10 g. BaCl_2 were mixed in an ampoule; heat was evolved and a gel was immediately formed. The tube exploded on standing. A similar result was obtained with 5 g. BaCl_2 . Fifteen cc. vinyl chloride, 0.6 g. Ac_2O , 5 cc. dichloroethane and 0.3 g. BaCl_2 mixed in an ampoule, let stand in the cold for 10 hrs., and heated to 50° for 24 hrs. yielded a solid polymer, which on washing with dil. AcOH and H_2O gave 6 g. of light-yellow transparent resin. Large-scale autoclave expts. with this compn. gave very poor yields. Fifteen cc. vinyl chloride, 15 cc. Me_2CO , 0.8 g. BaCl_2 and 0.3 g. Ac_2O heated to 50° for 6 hrs. daily for 3 days yielded a white powder, softening 152° , sol. in benzene, Me_2CO and PhCl , of poorer flow characteristics than the polymer formed with 0.3 g. BaCl_2 . Similar expt. with 0.2 g. BaCl_2 gave negative results. AcBrO_3 (2.4 g.) prep'd. by oxidation of BaH and Ac_2O by stream of air at room temp., did not catalyze the polymerization of mixts. of 15 cc. vinyl chloride, 15 cc. Me_2CO and 0.15 g. on heating at 50° for 8 days. Heating mixts. contg. 1-2% AcBrO_3 at $25-40^\circ$ caused pptn. after 20 hrs. of very pure BaAc_2 (m. 105°) from the reaction mixt. Vinyl chloride in Me_2CO heated with this pptd. AcBrO_3 at 50° for 5 days for 6 hrs. daily, yielding 3 g. of pink polymer. Attempts were made to polymerize vinyl chloride by peroxides formed through free radicals from H_2O_2 acting upon aldehydes, anhydrides

and org. acids. Because of need for high mol. wt. polymers it was necessary to use H_2O_2 in acid media. Homopolymerization is most complete at pH 2.8-3.5 and stable emulsions are obtained with 0.25-1.0% H_2O_2 with 2-3% of the aldehyde (AcH gives the most stable emulsion) with acetic or formic acids at pH up to 2.8. The use of H_2O_2 as catalyst leads to emulsions of rubber latex type, whereas the H_2O_2 -insol. H_2O_2 gives a suspension of the polymer in the medium, the former thus needs less agitation than the latter for large-scale production. G. M. Kosolapoff

CA

13

Now sources of raw materials for leather substitutes.
P. J. Pichnikh. Izvestiya Press, 1943, No. 12, 7-8.
 To replace natural rubber in making leather substitutes.
 Polyvinyl chloride is an important raw material. It
 can be made by passing hot $C_2H_2Cl_2$ vapors over a cata-
 lyst. By this process, alkalies and etc. are saved, and
 PVC is obtained as a by-product. Polyvinyl chloride
 requires 50-60% of plasticizers. Lately new cold-
 resistant plasticizers have been developed. For making
 leather substitutes chloroprene latex is suitable. Buta-
 diene latex is inferior to Reversin and chloroprene latex.
 Among possible sources of material are reclaimed rubber,
 fibrous waste materials, and materials having a poly-
 amide base. M. Il'ich

METALLURGICAL LITERATURE CLASSIFICATION

CP

31

Obtaining vinyl chloride and vinylidene chloride by pyrolysis of dichloroethane and trichloroethane and their copolymerization. P. I. Pavlovskiy. *Trudy Khimicheskoy Vyschishshchey Shkoly*, Abad. Nauk S.S.S.R., Otdel. Khim. Nauk i Otdel. Fiz.-Mat. Nauk 1, 22(1943) (Pub. 1943).— C_2H_3Cl and $C_2H_2Cl_2$ are 30-40% converted to the unsatd. compds. when passed over activated C at 325-350°. After 20-5 hrs. the catalyst must be regenerated with steam at 150° for 2 hrs. and then with air at 100°. Copolymerization goes best in aq. emulsion at pH 2.5-3.5, with either H_2O -sol. catalysts (H_2O_2) or insol. ones (benzoyl peroxide). Drying the copolymer gives an elastic film without addn. of a plasticizer, while polymerization of either component alone gives only a powder. H. M. Leicester

ASD-51A DETAILING LITERATURE CLASSIFICATION

29

Tanning compound. P. I. Pavlovich and N. V. Chernov. U.S.S.R. 64,753, May 31, 1915. A complex Fe salt of humic acid, obtained by boiling Fe salts with peat, is suitable for tanning. M. Hoch

PAVLOVICH, P. I.



Simultaneous production of vinyl chloride polymers and vinyl esters. I. P. Losev and P. I. Pavlovich. U.S.S.R. 64,757, May 31, 1940. Vinyl chloride is heated in the presence of a catalyst and diluents with a mixt. of an acetate and AcOH, or a glycolate. E.g., mix glacial AcOH 40 cc. with KNO₃ 20 g., heat to boiling, and crystallize. Place the 60 g. of crystals in an autoclave and cover with 100 cc. of vinyl chloride. Heat to 135° under approx. 40 atm. for 5 hrs. on each of 4 days. Distil and collect 25 cc. of vinyl acetate. M. Hosen

4

31

The aging of polyvinyl chloride-antising agents.
 Fedotkin, L. *Lezhaya Prom.* 1945, No. 10/11, 21 4. -
 Aging is caused by those rays of the solar spectrum which
 are absorbed with splitting off of HCl. Dyes that reflect
 blue (4240-50), green (4920-5700), and red (6470-7230-
 A.) were used to prevent aging. Best results were ob-
 tained with the blue dye. The effect of the green dye was
 approx. the same and that of the red dye was considerably
 lower. W. R. Hein

ASB-35A METALLURGICAL LITERATURE CLASSIFICATION

8-2

J.C.L.

35-Synth. Rub. & Allied Products - 2 H. Polymers from
Halogenated Hydrocarbons

Simultaneous production of vinyl chloride polymers
and vinyl esters. L. P. Losky and E. I. Pavlovich
(U.S.S.R.P. 64757, Chem. Abs., 1948, 42, 5003).

Vinyl chloride is heated in the presence of a catalyst
and diluents with a mixture of an acetate and acetic
acid, or a glycolate. For example, glacial acetic
acid, 40 cc., is mixed with caustic soda, 20 g., heat

to boiling is applied, and crystallization occurs.

The 100 g. of crystals are placed in an autoclave and
covered with 100 cc. of vinyl chloride. Heating to

135 is carried out under approximately 40 atm. for
6 hr. on each of four days. Distillation is then
carried out and 25 cc. of vinyl acetate are collected.

1821121, 12212

1946

ATROSHENKO, A.P.; GILZBORG, Z.P.; LEBIMOV, K.K.; PAVLOVICH, P.V.,
inzh., retsident; KAPINOV, I.V., kand. ~~tekhnichesk.~~ red.

[Mechanization and automation of forging and stamping
operations] Mekhanizatsiia i avtomatizatsiia kuznechno-
shtampovogo proizvodstva. 1-2 d. 2., per. s. i. 1 q. M-
skva, Mashinostroyeniie, 1964. 149 p. (Biblioteka
kuznitsa-novatori, n. 3) (FIRA 1154)

PAVLOVICH, P.M.

New developments in the design of trimming dies. Kuz.-shtan proizv.2
no.5 My '60.

(Dies(Metalworking))

(MIRA 14:3)

PAVLOVICH, P.M.

Forging large-size, compound section blades. Kuz.-shtan. proizv.
2 no.6: 41-42 Je '60. (MIRA 13:10)
(Forging) (Turbines--Blades)

SHEREMET, Vasilii Alekseyevich; SMIRNOV, Vyacheslav Nilovich; PAVLOVICH, Pavel Modestovich; KUZMINTSEV, V.N., inzh., retsenzent; YEMEL'YANOV, L.V., inzh., red.; TIKHANOV, A.Ya., tekhn. red.

[Mechanisms, devices and auxiliary equipment for forging and die-stamping processes; an album] Mekhanizmy, prispособleniia i sredstva mekhanizatsii kuznechno-pessovogo proizvodstva; al'bom. Moskva, Gos. nauchno-tekhn. izd-vo mashinostroit. lit-ry, 1960. 93 p. (MIRA 14:6)

(Forging machinery) (Sheet metal working machinery)

S/182/60/000/006/008/009
A161/A029

AUTHOR: Pavlovich, P.M.

TITLE: Stamping Large Turbine Blades of Complex Shape

PERIODICAL: Kuznechno-shtampovochnoye proizvodstvo, 1960, No. 6, pp. 41 - 42

TEXT: The 200,000 kv ПБК-200 (FVK-200) steam turbines being produced by Leningradskiy metallicheskiy zavod (Leningrad Metal Works) since 1958 have work blades of complex shape and up to 850 mm length. The blade blanks are stamped with a protrusion at the end, and the longer blanks are provided with another protrusion in the center for setting on machine tools for subsequent machining. The material is 2X13 (2Kh13) steel; final weight of the blade is 6.55 kg, of the stamped blank 22 kg, minimum blade thickness 11 mm. The blanks are stamped on a 10-ton press of Kirovskiy zavod (Kirov Works) from a 90 x 90 mm billet 480 mm long and 30 kg weight with a twist. Heated billets are drawn in the roughing groove of the die, then stamped in the finishing groove, with subsequent trimming of the burr, truing, heat treatment, cleaning and inspection. The works started during 1960 the production of a new 300,000 kw K-300-240-1 (K-300-240-1) steam

Card 1/2

Stamping Large Turbine Blades of Complex Shape

S/182/60/000/006/008/009
A161/A029

turbine. The last stages of this turbine will have a larger and still more complex blade also with a twist. These blades will be made of titanium alloy. The blade length will be up to 1,070 mm, the final weight 5.44 kg, the weight of the stamped blank 26 kg with 7 mm machining allowance on each side; minimum blade thickness will be 16 mm. A 17-ton press will be used for stamping from a 110 x 10 mm billet of 540 mm length and 31.4 kg weight. It is emphasized that such a metal waste can only be tolerated for the first experimental turbines and must be drastically reduced later. There are 4 figures.

Card 2/2

S/114/61/000/012/003/006
E194/E955

AUTHOR: Pavlovich, P. M., Engineer
TITLE: Main trends in improving the production of blanks for steam and gas turbine blades
PERIODICAL: Energomashinostroyeniye, no.12, 1961, 30-32
TEXT: Small turbine blades are made from blanks of cold-rolled section made by the Leningradskiy Kirovskiy zavod (Leningrad Kirov Works) (LKZ), but the blank width is restricted to 7-45 mm. As constant-profile guide blades may be up to 160 mm wide, the turbine manufacturers have been using blanks of standard rolled steel sections or forged rectangular blanks. This is costly and wasteful and so some of the turbine works are using forged blanks. It is better and much more economical to use hot-rolled sections but although the LKZ makes thirty sizes of hot-rolled blanks up to 120 mm wide, they are not widely used. However, in 1958, the Khar'kovskiy turbinnyy zavod (Khar'kov Turbine Works) together with the Ukrainskiy institut metallov (Ukrainian Institute of Metals) worked on the introduction of hot-rolled

Card 1/3

Main trends in improving ...

S/114/61/000/012/003/006
E194/E955

equipped to produce large and complicated blade blanks with
minimum machining tolerances. There are 5 figures, no tables
and no references.

Card 3/3

PAVLOVICH, P.M., inzh.

Basic trends in the improvement of the manufacture of blade blanks
for steam and gas turbines. Energomashinostroenie 7 no.12:36-32
D '61. (MIRA 14:12)

(Turbines--Blades)

GENERSON, Isaak Getselevich; PAVLOVICH, P.M., inzh., retsenzent;
DENINA, I.A., red.izd-va; KUREPINA, G.N., red.izd-va;
PETERSON, M.M., tekhn. red.

[Production of disk forgings for turbines and compressors]
Proizvodstvo pokovok turbinnykh i kompressornykh diskov. Mo-
skva, Mashgiz, 1962. 277 p. (MIRA 16:2)
(Steel forgings) (Disks, Rotating)

YEKIMOV, Konstantin Konstantinovich; PAVLOVICH, P.M., inzh., retsenzent;
ATROSHENKO, A.P., dotsent, kand.tekhn.nauk, red.; CHPAS, M.A.,
red.isd-va; SPERANSKAYA, O.V., tekhn.red.

[Mechanization and automatization of forging processes] Mekhani-
zatsiya i avtomatizatsiya kuznechno-shtampovogo proizvodstva.
Moskva, Gos.nauchno-tekhn.isd-vo mashinostroit.lit-ry, 1960. 161 p.
(MIRA 13:6)

(Forging machinery)

(Automatic control)

GINZBURG, Zalman Moiseyevich; STEL'MAKOV, Sergey Mikhaylovich; BANGE, B.O., inzh., retsenzent; PAVLOVICH, P.M., inzh., retsenzent; KAMNEV, P.V., dotsent, kand.tekhn.nauk, obshchiy red.; APRO-SHENKO, A.P., dotsent, kand.tekhn.nauk, red.; BORODULINA, I.A., red.izd-vs; SPERANSKAYA, O.V., tekhn.red.

[Modernizing the press-forging equipment and dies used in forge shops] Modernizatsiya kuznechno-pressevogo oborudovaniya i shtampovoe khoziaistvo kuznechnykh tsekhov. Pod obshchei red. P.V.Kameneva. Moskva, Gos.nauchno-tekhn.izd-vo mashinostroit. lit-ry, 1958. 66 p. (Bibliotekha kuznetss-novatora, no.8)

(MIRA 12:12)

(Forge shops--Equipment and supplies)

DIN, Iosua Movshe Vul'fovich; KAMNEV, P.V., dotsent, kand.tekhn.nauk, obshchiiy red.; ~~BAKONICH, P.N.~~, inzh., retsenzent; GIL'DENELAT, Sh.F., inzh., red.; BORODULINA, I.A., red.izd-va; SPERANSKAYA, O.V., tekhn.red.

[Manufacture of forgings on special machines; rolling, reducing, and sheet-metal stamping in the manufacture of forged and stamped articles] Izgotovlenie pokovok na spetsial'nykh mashinakh; prokatka, reduktirovaniye i listovaya shtampovka v kuznechno-shtampovnoy proizvodstve. Pod obshchei red. P.V.Kamneva. Moskva, Gos. nauchno-tekhn.izd-vo mashinostroit. lit-ry, 1958. 54 p. (Bibliotekha kuzneta-novatora, no.7) (MIRA 12:2)

(Rolling (Metalwork)) (Sheet-metal work)

PAVLOVICH, S.

[Homemade aids for studying botany and zoology] Samodel'nye
posobiia po botanike i zoologii. Leningrad, Detgis, 1954. 120 p.
(MLRA 7:11D)

PAYLOVICH, S. A., Med Sci — (USSR) "Concerning the mechanism of the therapeutic action of phthivazide in experimental tuberculosis," Simferopol', 1960, 11 pp (Crimea State Medical Institute imeni I. V. Stalin.)
(KL, 38-60, 111)

FIRCHUK, R.P.; PAVLOVICH, S.A.

Methodology for determining the phytoncide activity of plants.
Lab. delo no.10:632-633 '64. (MIRA 17:12)

1. Kafedra biologii (zaveduyushchiy - prof. F.N. Bassin)
Ivano-Frankovskogo meditsinskogo instituta.

IVANOV, V.F.; PAVLOVICH, S.A.

Strength of laminated wood plastics used in the building industry.

Plast.massy no.4:34-38 '61.

(MIRA 14:4)

(Plastics—Testing)

(Building materials)

S/081/61/000/021/080/094
B144/B110

AUTHOR: Pavlovich, S. A.

TITLE: Study of the mechanical properties of ДСП (DSP)

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 21, 1961, 451 - 452,
abstract 21P80 (Sb. nauchn. tr. Leningr. inzh.-stroit. in-t,
no. 34, 1961, 118 - 136)

TEXT: Compressive strength, tensile strength along the fibers of the outer sheet, static bending strength, modulus of elasticity, as well as shearing and splitting resistances were determined in a study of the mechanical properties of ДСП-Б (DSP-B) resin-indurated plywood with a ratio of 10:1 between longitudinal and transverse laminas. DSP-B was found to have very strength characteristics and a satisfactory modulus of elasticity. Economically advantageous and light building structures can be obtained by rational utilization of this material. [Abstracter's note: Complete translation.]

Card 1/1

S/081/61/000/021/081/094
B144/B110

AUTHOR: Pavlovich, S. A.

TITLE: Bonding of resin-indurated plywood

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 21, 1961, 452, abstract
21P81 (Sb. nauchn. tr. Leningr. inzh.-stroit. in-t, no. 34,
1961, 137 - 143)

TEXT: The resistance of connections bonded with phenol formaldehyde and epoxy adhesives, e. g., in specimens of ДП-Б (DSP-B), was studied in dependence on the specific pressure of the compression and on the method of treating the adhering surfaces. It was found that the durability of DSP-B joints bonded with phenol formaldehyde and epoxy adhesives without heat treatment in bonding is determined chiefly by the resistance of the adhesive. Notwithstanding the sufficiently high strength indices of the bonded joints, which reach 170 - 200 kg/cm², a better bonding technology and adhesives for stronger connections should be developed. [Abstracter's note: Complete translation.] ✓

Card 1/1

PAVLOVICH, S.A., prof.

Dynamic model of self-pollination in a flax flower. Biol.v
shkole no.4:96 Jl-Ag '62. (MIRA 15:12)

1. Leningradskiy pedagogicheskiy institut imeni A.I.Gertsena.
(Botany—Audio-visual aids)

PAVLOVICH, S.A.

~~The problem of equipment used in teaching a course of biology in
secondary schools. Biol. v shkole no. 3:9-12 Ny-Je '53. (MIRA 11:8)~~

1. Leningradskiy pedagogicheskiy institut imeni A.I.Gertsena.
(Biology--Study and teaching)
(Visual aids)

PAVLOVICH, S.A., professor

"Home-made visual aids on school zoology" by E.R. Klechkovskii,
S.D. Romantsova. Biol. v shkole no.3:86-87 My-Je '60.

(MIRA 13:7)

1. Leningradskiy pedagogicheskii institut imeni A.I. Gertsena.
(Zoology--Audio-visual aids)
(Klechkovskii, E.R.)

PAVLOVICH, S. A.

Cand Tech Sci - (diss) "Plywood as material for supporting building designs." Leningrad, 1961. 20 pp; (Ministry of Higher and Secondary Specialist Education RSFSR, Leningrad Order of Labor Red Banner Construction Engineering Inst); 200 copies; price not given; (KL, 7-61 sup, 243)

PAVLOVICH, S.A.

History of the development of visual aids in teaching natural sciences in Petersburg; the 19th century and the beginning of the 20th century. Uch. zap. Ped. inst. Gerts. 179:325-348 '58.

(MIRA 16:5)

(Leningrad--Science--Audio-visual aids)

CLASS. :
 DISSEM. :
 CONTROL :
 INDEX :
 L

ABST. JOUR.

AUTHOR :
 INST. :
 TITLE :

REF ZHUR - BIOLOGIYA, NO. 4, 1959.

Pavlovich, G.K.

ORIG. PUB. :

ABSTRACT :

Byul. nauchno-tekhn. inform. ser. 1-4.
 In-ty zhivoinov natva i veterinarii, 1958,
 No. 2, 28-40.

COUNTRY :
 APPROVED FOR RELEASE: 06/15/2000

CIA-RDP86-00513R001239710008-0"

ABST. JOUR. REF ZHUR - BIOLOGIYA, NO. 4, 1959,

No. 11132

AUTHOR :
 INST. :
 TITLE :

ORIG. PUB. :

ABSTRACT : to 24.7 km. of added hay crop.

-- I.S. Shaternikova

CARD: 2/2

PAVLOVICH, S.A.

Antagonistic properties of actinomyces in soils of the Carpathian mountain region. Antibiotiki 10 no.5:414-419 My '65.

(MIRA 18:6)

1. Ivano-Frankovskiy meditsinskiy institut.

PAVLOVICH, S.A. [Pavlovych, S.O.]

Antibiotic properties of actinomycetes isolated from the soils of
the Carpathian Mountain region. Mikrobiol. zhur. 27 no.1:27-33
'65. (MIRA 18:7)

1. Ivano-Frankovskiy meditsinskiy institut.

PAVLOVICH, V.

YUGOSLAVIA / Human and Animal Physiology. Thermoregulation.

T

Abstr Jour: Ref Zhur-Biol., No 20, 1958, 93021.

Author : Pavlovich, V.

Institution : ~~_____~~

Title : The Influence of Preliminary Thermal Adaptation on
Susceptibility of Rats in Starvation to Different
External Temperatures.

Orig. Pub: Arkhiv biol. nauk, 1953, 5, No 1-2, 30-48.

Abstract: No abstract.

Card : 1/1

RUSSIAN/UKRAINIAN and other physiological Thermoregulation.

Abstr. Jour. Ref. Exam-Biol., 10, 26, 1956, 33022.

Author : Pavlovich, M.
First :

Title : Change of Weather - Temperature and Relative Humidity -
and Glycemia in Rabbits.

Orig. Pub: Arkhiv biol. nauki, 1956, 5, No 1-2 49-54.

Abstract: No abstract.

Card . 1/1

PAVLOVICH, V.A.; ABULADZE, L.M.

Determining fatty acid concentration. Tekst.prom.15 no.10:56-57
0'55.

(MIRA 8:12)

(Acids, Fatty)

PAVLOVICH, V. I.

Obtaining vinyl chloride and vinylidene chloride by
pyrolysis of dichloroethane and trichloroethane and their
copolymerization. P. I. Pavlovich. *Trudy Konferentsii
Vysokomolekulyar. Soedineniyam, Akad. Nauk S.S.S.R.,
Otdel. Khim. Nauk i Otdel. Fiz.-Mat. Nauk* 1, 22(1043)
(Publ. 1045). — C_2H_3Cl and $C_2H_2Cl_2$ are 30-40% con-
verted to the unsatd. compds. when passed over activated
C at 325-350°. After 20-5 hrs. the catalyst must be re-
generated with steam at 150° for 2 hrs. and then with air
at 100°. Copolymerization goes best in an emulsion at
pH 3.5-3.6, with either H₂O-sol. catalysts (H_2O_2) or insol.
ones (benzoyl peroxide). Drying the copolymer gives an
elastic film without addn. of a plasticizer, while poly-
merization of either component alone gives only a powder.
H. M. Leicester

RYABININA, A.I.; PAVLOVICH, V.A.

Factory testing laboratory. Khim.volok. no.1:68 '60.
(MIRA 13:6)

1. Kalininskiy kombinat.
(Kalinin--Textile fibers, Synthetic)
(Testing laboratories)

1. SHCHERBOVA, A. I.; PAVLOVICH, V. P.
2. USSR (600)
4. Crimea - Potatoes
7. "Two-crop cultivation of potatoes in Crimea." Reviewed by A. I. Shcherbova, V. P. Pavlovich. Sad i og. no.10, 1952
9. Monthly List of Russian Accessions, Library of Congress, January 1953, Unclassified.

1. SHCHERBOVA, A. II, PAVLOVICH, V. P.
2. USSR (600)
4. Potatoes - Crimea
7. "Two-crop cultivation of potatoes in Crimea." Sad i og. no.10, 1952
9. Monthly List of Russian Accessions, Library of Congress, January 1953. Unclassified.

TOLUBINSKIY, V.I., otv. red.; FEDOSEYEV, V.A., doktor fiz.-mat. nauk, zam. otv. red.; DORFMAN, A.Sh., kand. tekhn. nauk, red.; DUSHCHENKO, V.P., kand. fiz.-mat. nauk, red.; DYBAN, Ye.P., kand. tekhn. nauk, red.; KREMNEV, O.A., doktor tekhn. nauk, red.; KAZARCHUK, M.M., kand. tekhn. nauk, red.; ORNATSKIY, A.F., kand. tekhn. nauk, red.; PAVLOVICH, V.P., doktor tekhn. nauk, red.; SHVETS, I.T., kand. tekhn. nauk, red.; SHCHEGOLEV, G.M., kand. tekhn. nauk, red.; SHCHERBAN', A.N., akademik, red.; SYTNIK, N.K., red.

[Thermophysics and heat engineering] Teplofizika i teplo-tekhnika. Kiev, Naukova dumka, 1964. 339 p.

(MIRA 18:1)

1. Akademiya nauk URSR, Kiev. Instytut tekhnichnoy teplofizyky.
2. Institut tekhnicheskoy teplofiziki AN Ukr.SSR, Kiev (for Dorfman, Dyban, Nazarchuk, Tolubinskiy, Shchegolev).
3. Kiyevskiy tekhnologicheskiy institut pishchevoy promyshlennosti (for Dushchenko, Pavlovich).
4. Kiyevskiy politekhnicheskiy institut (for Ornatskiy).

(Continued on next card)

TOLUBINSKIY, V.I.--- (continued). Card 2.

5. Odesskiy universitet (for Fedoseyev). 6. Kiyevskiy universitet (for Shvets). Akademiya nauk Ukr.SSR (for Shcherban', Shvets). 7. Chlen-korrespondent AN Ukr.SSR (for Tolubinskiy). 8. Gosudarstvennyy komitet Soveta Ministrov po koordinatsii nauchno-issledovatel'skikh rabot (for Shcherban').

GEL'FANT, M.B.; PAVLOVICH, V.S. (Kiyev)

Experience in explaining the addition theorem according to the
new trigonometry textbook. Mat. v shkole no. 4:33-35 J1-4g '58.
(MIRA 11:7)

(Trigonometry--Study and teaching)

DAVIDENKOVA, Ye.F.; PAVLOVICH, Ye.S. [deceased]

Materials on the clinical aspects and histopathology of subacute
sclerosing leukoencephalitis of the van Bogaert type. Och. klin.
nevr. no.2:173-191 '64 (MIRA 18:1)

PAVLOVICH, Ye.S.

Efficiency criteria of centrifugal oil filtration in a diesel locomotive engine. Trudy OMIIT 38:73-81 '62.

(MIRA 18:8)

L 51054-65 EWT(1)/EWT(m)/EPF(c)/EPF(n)-2/EWP(j)/T/EED(u)-3 Pc-4/Fr-4/
Pu-4 JF(o) WW/RM

ACCESSION NR AM5001446

BOOK EXPLOITATION

S/ 56
55
P1

Mikhaylov, Igor' Georgiyevich; Solov'yev, Viktor Aleksandrovich; Syrnikov, Yuriy Pavlovich

Principles of molecular acoustics (Osnovy molekulyarnoy akustiki), Moscow, Izd-vo "Nauka", 1964, 514 p. illus., biblic., index. 4,500 copies printed.

TOPIC TAGS: acoustics, sound wave, thermodynamics, relaxation process, polymer, sound absorption, acoustic property

TABLE OF CONTENTS (abridged):

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Ch. III. Speed of sound and structure of substances. Liquids and solids -- 67

Ch. IV. Speed of sound in mixtures and solutions -- 121

Part 2. Use of acoustic methods to study non-equilibrium properties of a substance

Card 1/2

L 51054-65

ACCESSION NR AM5001/46

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(the theory of L. I. Mandel'shtam and M. A. Leontovich) -- 236

Ch. VIII. Chemical relaxation -- 283

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SUBMITTED: 22 Jul 64

SUB CODE: GP

NO REF NOV: 215

OTHER: 487

Card

2/2

BELEN'KIY, Mark Naumovich; LATINA, Mariya Nikolayevna; PAVLOVICH,
Yeygeniy Stanislavovich; PAVLOVSKIY, Sergey Sergeyevich;
RASTORGUYEV, Aleksey Iosifovich; KULTUNOVA, M.F., red.

[Technical, industrial and financial plan and analysis of
the work of locomotive and car repair plants] Tekhpromfin-
plan i analiz deiatel'nosti lokomotivo-vagonoremontnykh
zavodov. [By] M.N.Belen'kii i dr. Moskva, Transport,
1964. 253 p. (MIRA 17:9)

Concentrated phosphate fertilizer. A. G. Pavlovich.
Volkovyskiy, Russ. 10,592, Feb. 28, 1937. ~~AKK 6430~~
dehydration of the H_2PO_4 is avoided in the prepn. of phosphatic fertilizers by the action of H_2PO_4 on the alkali and alkali earth salts of volatile inorganic acids by carrying out the reaction at 120-140° and lowering the temp. of the reacting mass to 60-120° after the removal of the major portion of water.

1ST AND 2ND COLS										3RD AND 4TH COLS									
PROCESSES AND PROPERTIES INDEX																			
26 Magnesium bisulfate. A. G. Pavlovich-Volkovskii and I. I. Zaring. Russ. 50,004, Nov. 30, 1939. F-contg. gases obtained in the acid treatment of phosphorite and apatite are treated with an aq. suspension of $MgCO_3$ or $MgCl_2$.																			
ASB-55A METALLURGICAL LITERATURE CLASSIFICATION																			
SYMBOLS										SYMBOLS									

PAVLOVICH-VOLKOVYTSKIY, A.G.; ZARNITSKIY, S.Kh.

Obtaining high-quality calcium fluoride from gases of superphosphate
production. Ukr.khim.zhur. 24 no.6:805-808 '58. (MIRA 12:3)
(Calcium fluoride)
(Phosphate industry--By-products)

PAVLOVICH, Ya.I.; KHMELININ, F.P.

Rapid detection of Escherichia coli in Heifetz's medium. Lab. delo
7 no.6:32 Je '61. (MIRA 14:7)

1. Gatchinskaya gorodskaya bol'nitsa.
(ESCHERICHIA COLI)

PAVLOVICH, Ye.S.; SHAKHNOVICH, G.S.; SPOTALOV, V.Ye.

Flow of liquid in the rotor of a centrifugal filter. Trudy
TEIIZHT 34:36-40 '62. (MIRA 16:8)

PAVLOVICH, Ye.S.

Ways of increasing the efficiency of the centrifugal filtration of lubricants for diesel locomotives. Trudy TEIIZHT 34: 30-35 '62. (MIRA 16:8)

MAKAREVICH, V.S., inzh.; PAVLOVICH, Ye.S., inzh.

Results of DPE-400 electric traction engine operation. Blak. 1
tepl. tiaga 2 no.3:9-10 Mr '58. (MIRA 11:4)
(Electric locomotives)

USSR / Human and Animal Morphology, Normal and Pathological.
Nervous System. Central Nervous System.

S-2

Abs Jour : Ref Zhur - Biol., No 18, 1958, No 83638

Author : Pavlovich, Ye. S.
Inst : Institute of Experimental Medicine, Academy of Medical
Sciences, USSR

Title : Concerning the Anatomico-Histological Alterations in the Cere-
brum of Cats after Operative Removal of Their Neo-Cortex.

Orig Pub : Yezhegodnik, In-t eksperim. med. akad. med. nauk. SSSR, 1955,
L., 1956, 58-61

Abstract : A study was made of 5 cats, deprived of the basal substances
of the neo-cortex of both hemispheres. In every case, the
operated-on brain underwent a peculiar changeover. Side by
side with the destruction of the gray matter and the white
matter, impaired by the operation, there takes place the
creation of a new peculiar system of fluid circulation.

Card 1/2

KORCHAGIN, A.I., inzh.; PAYLOVICH, Ye.S., inzh.

Setting the TRE-1 voltage regulator. Elek. 1 tepl. tiaga 2 no.11:
29 N '58. (MIRA 11:12)

(Voltage regulators)

DAVIDENKOVA, Ye.F.; PAVLOVICH, Ye.S.

Subacute sclerosing leukoencephalitis of the Van Bogaert
type. Zhur. nevr. i psikh. 62 no.3:347-355 '62. (MIRA 15:3)

1. Kafedra nervnykh bolezney (zav. - prof. Ye.F. Davidenkova)
Leningradskogo pediatricheskogo meditsinskogo instituta.
(ENCEPHALITIS)

PAVLOVICH, Y. S., 1 inch.

Mechanized lapping of valves for D50 diesels. Elek. i tepl. tiaga
(MIRA 11:1)
no.12:29 D '57. (Diesel locomotives)

(Diesel locomotives)

PAVLOVICH, YEVGENIY STANISLAVOVICH

DUBNITSKIY, Vladimir Stepanovich, inzhener; ZAMURA, Viktor Grigor'yevich, inzhener; PAVLOVICH, Yevgeniy Stanislavovich, inzhener; PONOMAREV, A.A., inzhener, redaktor; ~~POLOVINA, Te.M.~~, tekhnicheskiy redaktor

[Experiences in organizing locomotive repairing (Taiga depot of the Tomsk Railroad)] Opyt organizatsii remonta parovozov (depot Taiga Tomskoi dorogi). Moskva, Gos. transp. shel-dor. izd-vo, 1957.
42 p. (MIRA 10:7)

(Locomotives--Maintenance and repair)

PAVLOVICH, Ye.S., inzhener (Novosibirsk)

Using electric metal plating in locomotive repair. Elek.i tepl.tiaga
no.9:40 S '57. (MIRA 10:10)
(Locomotives--Repair) (Electroplating)

TROITSKIY, Aleksandr Filippovich, doktor tekhnicheskikh nauk; ZAMURA, Viktor Grigor'yevich, inzhener; PAVLOVICH, Yevgeniy Stanislavovich, inzhener; SAZONOV, A.G., inzhener, redaktor; KHITROV, P.A., tekhnicheskiy redaktor.

[Metal spraying in repairing locomotives] Primenenie metallizatsii pri remonte lokomotivov. Pod red. A.F. Treitskego. Moskva, Gos. transp. shel. dor. izd-vo, 1956. 55 p. (MIRA 9:6)
(Locomotives—Repairs) (Metal spraying)

PAVLOVICH, D.

Aerobic bacteria and their role in increasing harvests of agricultural cultures. p. 29.

BIOLOGICHESKAJA NAUKA; SELSKOMU I LESNOMU KHOZIASTVU. (Latvijas PSR Zinatnu akademijs. Biologijas zinatnu nodala) Riga, Latvia, No. 3, 1957.

Monthly list of East European Accessions (EEAI), LC, Vol. 8, No. 8,
August 1959.
Unclass.

PAVLOVICHEV, M.

Development of general-use automotive transportation in
Uzbekistan. Avt. transp. 33 no.4:4-6 Ap '55. (MIRA 8:7)
(Uzbekistan--Transportation, Automotive)

101 AND 102 SPECIES

PRINCIPAL AND COMPLEMENTARY SPECIES

ADP AND 4TH COMPLEX

BC

B-E-10

1. Substrate: rubber, thickness 1 mm, various
 sizes, can be the production of solidified
 latex, 2. Substrate: 1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23. 24. 25. 26. 27. 28. 29. 30. 31. 32. 33. 34. 35. 36. 37. 38. 39. 40. 41. 42. 43. 44. 45. 46. 47. 48. 49. 50. 51. 52. 53. 54. 55. 56. 57. 58. 59. 60. 61. 62. 63. 64. 65. 66. 67. 68. 69. 70. 71. 72. 73. 74. 75. 76. 77. 78. 79. 80. 81. 82. 83. 84. 85. 86. 87. 88. 89. 90. 91. 92. 93. 94. 95. 96. 97. 98. 99. 100. 101. 102. 103. 104. 105. 106. 107. 108. 109. 110. 111. 112. 113. 114. 115. 116. 117. 118. 119. 120. 121. 122. 123. 124. 125. 126. 127. 128. 129. 130. 131. 132. 133. 134. 135. 136. 137. 138. 139. 140. 141. 142. 143. 144. 145. 146. 147. 148. 149. 150. 151. 152. 153. 154. 155. 156. 157. 158. 159. 160. 161. 162. 163. 164. 165. 166. 167. 168. 169. 170. 171. 172. 173. 174. 175. 176. 177. 178. 179. 180. 181. 182. 183. 184. 185. 186. 187. 188. 189. 190. 191. 192. 193. 194. 195. 196. 197. 198. 199. 200. 201. 202. 203. 204. 205. 206. 207. 208. 209. 210. 211. 212. 213. 214. 215. 216. 217. 218. 219. 220. 221. 222. 223. 224. 225. 226. 227. 228. 229. 230. 231. 232. 233. 234. 235. 236. 237. 238. 239. 240. 241. 242. 243. 244. 245. 246. 247. 248. 249. 250. 251. 252. 253. 254. 255. 256. 257. 258. 259. 260. 261. 262. 263. 264. 265. 266. 267. 268. 269. 270. 271. 272. 273. 274. 275. 276. 277. 278. 279. 280. 281. 282. 283. 284. 285. 286. 287. 288. 289. 290. 291. 292. 293. 294. 295. 296. 297. 298. 299. 300. 301. 302. 303. 304. 305. 306. 307. 308. 309. 310. 311. 312. 313. 314. 315. 316. 317. 318. 319. 320. 321. 322. 323. 324. 325. 326. 327. 328. 329. 330. 331. 332. 333. 334. 335. 336. 337. 338. 339. 340. 341. 342. 343. 344. 345. 346. 347. 348. 349. 350. 351. 352. 353. 354. 355. 356. 357. 358. 359. 360. 361. 362. 363. 364. 365. 366. 367. 368. 369. 370. 371. 372. 373. 374. 375. 376. 377. 378. 379. 380. 381. 382. 383. 384. 385. 386. 387. 388. 389. 390. 391. 392. 393. 394. 395. 396. 397. 398. 399. 400. 401. 402. 403. 404. 405. 406. 407. 408. 409. 410. 411. 412. 413. 414. 415. 416. 417. 418. 419. 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